

from this proceeds to discuss the causes of migration in general, and the means by which birds are guided in their long migratory journeys. He discredits the possession by birds of a "mysterious sense of direction," believing they are guided by natural phenomena.

This paper is an excellent counterpart of his former paper, giving an account of his observations at the same locality during midsummer, 1894, the two together adding greatly to our knowledge of the movements, habits and relative abundance of the water birds of the California coast. —J. A. A.

Publications Received. — Allen, J. A. (1) The Origin and Relations of the Floras and Faunas of the Antarctic and adjacent Regions. Vertebrata of the Land; Birds and Mammals. (Science, III, No. 61, Feb. 28, 1886.) (2) Alleged changes of Color in the Feathers of Birds without Molting. (Bull. Am. Mus. Nat. Hist., VIII, 1896, pp. 13-44.)

Bocage, J. V. Barboza du. (1) Subsídios para a fauna da Ilha de Fernão do Po — Vertebrados terrestres. (Jorn. de Scien. Math., Phys. e Nat. da Acad. real das Sci. de Lisboa, IV, No. 13, Dec., 1895, pp. 1-15.) (2) Aves de Benguella da Exploração Anchieta. (*Ibid.*, pp. 21-23.)

Cherrie, George K. Exploraciones Zoologicas efectuadas en el Valle del Rio Naranjo en el año de 1893, Aves. (Anales del hist. fis.-geogr. nac., VI, 1893. Also separate, Svo, pp. 19.)

Chapman, Frank M. (1) The Changes of Plumage in the Dunlin and Sanderling. (Bull. Am. Mus. Nat. Hist., VIII, 1896, pp. 1-8.) (2) On the Changes of Plumage in the Snowflake (*Plectrophenax nivalis*). (*Ibid.*, pp. 9-12.) (3) Handbook of Birds of Eastern North America. Third Edition.

Cory, C. B. Hunting and Fishing in Florida, including a Key to the Water Birds known to occur in the State. Sm. 4to, pp. 304. Numerous illustrations. Boston: Estes and Lauriat, 1896.

Dubois, Alph. Les Animaux nuisibles de la Belgique. Mammifères, Oiseaux et Reptiles. Svo, pp. viii, 203. Bruxelles, 1893.

D'Urban, W. S. M., and Murray A. Mathew. The Birds of Devon. Supplement. Svo, pp. 32. London, R. H. Porter, 1895.

Finsch, O. (1) Zum Schutz des Wasserschwätzers (*Cinclus aquaticus*). (2) Charakteristik der Avifauna Neu-Seelands als zoo-geographische Provinz in ihren Veränderungen und deren Ursachen. (Globus, LXIX, No. 2-4.)

Harvie-Brown, J. A. The Tufted Duck in Scotland — its increase and distribution. (Ann. Scottish Nat. Hist., Jan., 1895.)

Jacobs, J. Warren. Eggs of Native Pennsylvania Birds. A World's Fair Collection. Svo, pp. 10, with photographic illustrations. 1895.

Knowlton, F. H. The Great Auk. An Extinct Bird of much Renown. (The Feather, I, No. 4, Jan., 1896.)

Loomis, Leverett M. California Water Birds, No. II. Vicinity of

Monterey in Midwinter. (Proc. Cal. Acad. Sci., ser. 2, VI, pp. 1-30, Feb., 1896.)

Lydekker, Richard (editor). Warne's Royal Natural History, Nos. 16-20, Dec. 15, 1895-Feb. 15, 1896. Birds. Super Royal 8vo. Frederick Warne & Co., 3 Cooper Union, New York. Published in fortnightly Parts, 50 cents each.

Meyer, A. B., and L. W. Wigglesworth. (1) Bericht über die 5-7 Vogel-sammlung der Herren Dr. P. und Dr. F. Sarasin aus Celébes. (Abh. und Ber. d. Königl. Zoolog. u. Anthr.-Ethn. Mus. zu Dresden, 1896-97, No. 1, pp. 1-16.) (2) Eine Vogelsammlung von Nordost Celébes und den Inseln Peling und Banggai. (*Ibid.*, No. 2, pp. 1-20.)

Richmond, Charles W. Description of a New Species of Plover from the east coast of Madagascar. (Proc. Biol. Soc. Wash. X, 1896, pp. 53, 54.)

Salvadori, T. (1) Catalogue of the Chenomorphae (Palamedeae, Phænicopteri, Anseres), Crypturi, and Rattitæ in the Collection of the British Museum. 8vo, pp. xv, 636, pl. i-xix. = Brit. Mus. Cat. Birds, Vol. XXVII, 1895. (2) Note on *Anas erythrophthalma* Wied. (Ibis, Jan., 1896, pp. 99-101.) (3) Uccelli raccolti da Don Eugenio Dei Principi Ruspoli durante l'ultimo suo Viaggio nelle regioni dei Somali e dei Galla. (Ann. del Mus. Civ. di Storia Nat. di Genova, Ser. 2, XVI, pp. 43-46.)

Schalow, Herman. Henry Seebohm. (Orn. Monatsb. IV, No. 2, 1896, pp. 17-23.)

Actes de la Société Scientifique du Chili. Tome V, Livr. 1-3, Dec., 1895.

American Journ. Sci., Jan.-March, 1896.

American Naturalist, Jan.-March, 1896.

Annals of Scottish Nat. Hist., Jan., 1896.

Aquila, II, Nos. 3, 4, Dec., 1895.

Bulletin British Ornithologists' Club, Nos. 31, 32, 1896.

Forest and Stream, XLVI, Nos. 1-13, 1896.

Medical Age, XIII, No. 24, XIV, Nos. 1-4, 1896.

Naturalist, The, Month. Journ. Nat. Hist. for North of England, Jan.-March, 1896.

Nidologist, The, III, Nos. 6, 7, 1896.

Observer, The, VII, Jan.-March, 1896.

Oregon Naturalist, The, II, No. 12, III, Nos. 1, 2.

Ornithologische Jahrbuch, VII, No. 1, 1896.

Ornithologische Monatsberichte, IV, Nos. 1-3, 1896.

Ottawa Naturalist, The, IX, Nos. 10, 12, 1896.

Our Animal Friends, XXIII, Nos. 5-7, 1896.

Proceedings of the Natural Science Association of Staten Island, N. Y., V, No. 2.

Proceedings Acad. Nat. Sci., Philadelphia, pt. 3, Oct.-Dec., 1895.

Report U. S. Secretary Agriculture, 1895.

Shooting and Fishing, XIX, Nos. 11-20, 1896.

Zoölogist, The, Nos. 229-231, 1896.